

**Determine which choice is an equivalent equation.****Answers**

- 1) Which expression is equal to $8 \times (1 \times 3)$
A. $(8 \times 1) \times 3$
B. $(8 + 1) + 3$
C. $8 \times (1 + 3)$
D. $(8 + 1) \times 3$
- 2) Which expression is equal to $(1 \times 6) \times 10$
A. $1 \times (6 \times 10)$
B. $1 + (6 + 10)$
C. $(1 + 6) \times 10$
D. $(1 \times 6) + 10$
- 3) Which expression is equal to $(0 \times 1) \times 3$
A. $(0 + 1) \times 3$
B. $0 + (1 \times 3)$
C. $0 + (1 + 3)$
D. $0 \times (1 \times 3)$
- 4) Which expression is equal to $(10 \times 3) \times 2$
A. $10 \times (3 \times 2)$
B. $(10 \times 3) + 2$
C. $(10 + 3) + 2$
D. $10 \times (3 + 2)$
- 5) Which expression is equal to $10 \times (3 \times 2)$
A. $10 \times (3 + 2)$
B. $(10 \times 3) + 2$
C. $(10 \times 3) \times 2$
D. $10 + (3 + 2)$
- 6) Which expression is equal to $5 \times (6 \times 10)$
A. $(5 \times 6) + 10$
B. $(5 \times 6) \times 10$
C. $5 + (6 + 10)$
D. $5 + (6 \times 10)$
- 7) Which expression is equal to $(5 \times 1) \times 4$
A. $5 \times (1 \times 4)$
B. $5 \times (1 + 4)$
C. $(5 \times 1) + 4$
D. $(5 + 1) \times 4$
- 8) Which expression is equal to $0 \times (4 \times 7)$
A. $0 \times (4 + 7)$
B. $(0 \times 4) \times 7$
C. $0 + (4 \times 7)$
D. $(0 + 4) \times 7$
- 9) Which expression is equal to $(9 \times 7) \times 3$
A. $9 \times (7 \times 3)$
B. $9 + (7 + 3)$
C. $(9 + 7) + 3$
D. $9 \times (7 + 3)$
- 10) Which expression is equal to $(7 \times 6) \times 8$
A. $(7 + 6) \times 8$
B. $7 \times (6 \times 8)$
C. $7 + (6 + 8)$
D. $7 + (6 \times 8)$
- 11) Which expression is equal to $(7 \times 0) \times 1$
A. $7 \times (0 \times 1)$
B. $7 + (0 \times 1)$
C. $(7 \times 0) + 1$
D. $(7 + 0) + 1$
- 12) Which expression is equal to $(8 \times 9) \times 10$
A. $8 \times (9 \times 10)$
B. $(8 + 9) + 10$
C. $(8 \times 9) + 10$
D. $(8 + 9) \times 10$

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____



Determine which choice is an equivalent equation.

Answers

1) Which expression is equal to $8 \times (1 \times 3)$

- A. $(8 \times 1) \times 3$
- B. $(8 + 1) + 3$
- C. $8 \times (1 + 3)$
- D. $(8 + 1) \times 3$

2) Which expression is equal to $(1 \times 6) \times 10$

- A. $1 \times (6 \times 10)$
- B. $1 + (6 + 10)$
- C. $(1 + 6) \times 10$
- D. $(1 \times 6) + 10$

3) Which expression is equal to $(0 \times 1) \times 3$

- A. $(0 + 1) \times 3$
- B. $0 + (1 \times 3)$
- C. $0 + (1 + 3)$
- D. $0 \times (1 \times 3)$

4) Which expression is equal to $(10 \times 3) \times 2$

- A. $10 \times (3 \times 2)$
- B. $(10 \times 3) + 2$
- C. $(10 + 3) + 2$
- D. $10 \times (3 + 2)$

5) Which expression is equal to $10 \times (3 \times 2)$

- A. $10 \times (3 + 2)$
- B. $(10 \times 3) + 2$
- C. $(10 \times 3) \times 2$
- D. $10 + (3 + 2)$

6) Which expression is equal to $5 \times (6 \times 10)$

- A. $(5 \times 6) + 10$
- B. $(5 \times 6) \times 10$
- C. $5 + (6 + 10)$
- D. $5 + (6 \times 10)$

7) Which expression is equal to $(5 \times 1) \times 4$

- A. $5 \times (1 \times 4)$
- B. $5 \times (1 + 4)$
- C. $(5 \times 1) + 4$
- D. $(5 + 1) \times 4$

8) Which expression is equal to $0 \times (4 \times 7)$

- A. $0 \times (4 + 7)$
- B. $(0 \times 4) \times 7$
- C. $0 + (4 \times 7)$
- D. $(0 + 4) \times 7$

9) Which expression is equal to $(9 \times 7) \times 3$

- A. $9 \times (7 \times 3)$
- B. $9 + (7 + 3)$
- C. $(9 + 7) + 3$
- D. $9 \times (7 + 3)$

10) Which expression is equal to $(7 \times 6) \times 8$

- A. $(7 + 6) \times 8$
- B. $7 \times (6 \times 8)$
- C. $7 + (6 + 8)$
- D. $7 + (6 \times 8)$

11) Which expression is equal to $(7 \times 0) \times 1$

- A. $7 \times (0 \times 1)$
- B. $7 + (0 \times 1)$
- C. $(7 \times 0) + 1$
- D. $(7 + 0) + 1$

12) Which expression is equal to $(8 \times 9) \times 10$

- A. $8 \times (9 \times 10)$
- B. $(8 + 9) + 10$
- C. $(8 \times 9) + 10$
- D. $(8 + 9) \times 10$

- 1. **A**
- 2. **A**
- 3. **D**
- 4. **A**
- 5. **C**
- 6. **B**
- 7. **A**
- 8. **B**
- 9. **A**
- 10. **B**
- 11. **A**
- 12. **A**